UPF2 Rabbit pAb

Catalog NO.: A7091

Basic Information

Observed MW
170kDa

Calculated MW
148kDa

Category
Polyclonal Antibodies

Applications
WB, IHC-P, IP, ELISA

Cross-Reactivity
Human, Mouse

Conjugation
Unconjugated

Background

This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein is located in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene; both variants encode the same protein.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
26019

Swiss Prot
Q9HAU5

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
HUPF2; RENT2; smg-3; UPF2

Contact

Product Information

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service@abclonal.com
www.abclonal.com

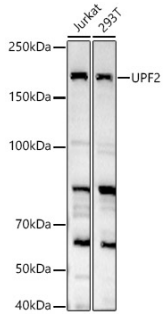
Source
Rabbit

Isotype
IgG

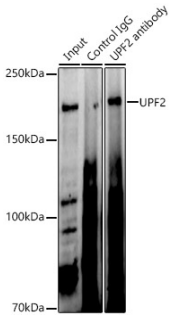
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

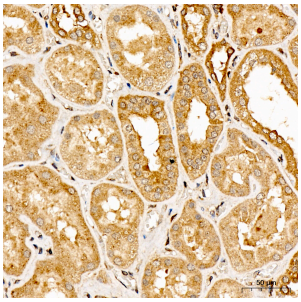
Validation Data



Western blot analysis of various lysates, using UPF2 Rabbit pAb (A7091) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunoprecipitation analysis of 300ug extracts of 293T cells using 3ug UPF2 Rabbit pAb (A7091 1:200). Western blot was performed from the immunoprecipitate using UPF2 Rabbit pAb (A7091) at a dilition of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using UPF2 Rabbit pAb (A7091) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

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